

Supplemental Material 1 - Database search strategy

| DATABASE | SEARCH |
|----------|---|
| Embase | ('chloroquine'/exp OR 'chloroquine' OR 'chlorochin'/exp OR 'chlorochin' OR 'chingamin' OR 'khingamin' OR 'nivaquine'/exp OR 'nivaquine' OR 'chloroquine sulfate'/exp OR 'chloroquine sulfate' OR 'chloroquine sulphate'/exp OR 'chloroquine sulphate' OR 'aralen'/exp OR 'aralen' OR 'arequin' OR 'arechine'/exp OR 'arechine' OR 'chloroquine diphosphate'/exp OR 'chloroquine diphosphate' OR 'chloroquine phosphate'/exp OR 'chloroquine phosphate' OR 'hydroxychloroquine'/exp OR 'hydroxychloroquine' OR 'oxychlorochin' OR 'oxychloroquine'/exp OR 'oxychloroquine' OR 'hydroxychlorochin' OR 'plaquenil'/exp OR 'plaquenil' OR 'hydroxychloroquine sulfate'/exp OR 'hydroxychloroquine sulfate') AND ('ototoxicity'/exp OR 'ototoxicity' OR 'ototoxicities' OR 'drug-induced ototoxicity' OR 'drug induced ototoxicity' OR 'drug-related otological toxicity' OR 'drug related otological toxicity' OR 'drug-related otological toxicities' OR 'drug-induced otological toxicity' OR 'drug induced otological toxicity' OR 'drug-induced otological toxicities' OR 'drug-related ototoxicity' OR 'drug related ototoxicity' OR 'drug-related ototoxicities' OR 'drug-induced cochleotoxicity' OR 'drug induced cochleotoxicity' OR 'drug-induced cochlear toxicity' OR 'drug induced cochlear toxicity' OR 'drug-induced cochlear toxicities' OR 'drug-related cochlear toxicity' OR 'drug related cochlear toxicity' OR 'drug-related cochlear toxicities' OR 'drug-related cochleotoxicity' OR 'drug related cochleotoxicity' OR 'drug-induced vestibulotoxicity' OR 'drug induced vestibulotoxicity' OR 'drug-induced vestibular toxicity' OR 'drug induced vestibular toxicity' OR 'hearing'/exp OR 'hearing' OR 'audition'/exp OR 'audition' OR 'hearing loss'/exp OR 'hearing loss' OR 'hypoacusis'/exp OR 'hypoacusis' OR 'hypoacusis' OR 'hearing impairment'/exp OR 'hearing impairment' OR 'transitory deafness' OR 'transitory deafnesses' OR 'transitory hearing loss' OR 'transitory hearing losses') |
| LILACS | tw:(("Cloroquina" OR "Cloroquina" OR "Quingamina" OR "Kingamina" OR "Nivaquina" OR "Sulfato de Cloroquina" OR "Aralen" OR "Arequina" OR "Arecina" OR "Difosfato de Cloroquina" OR "Cloroquina fosfato" OR "Hidroxicloroquina" OR "Oxicloroquina" OR "Plaquenil" OR "Sulfato de hidroxicloroquina" OR "plaquinol" OR "papilup" OR "reuquinol" OR "Chingamin" OR "Khingamin" OR "Arequin" OR "Arechina" OR "Chloroquine" OR "Chlorochin" OR "Chingamin" OR "Khingamin" OR "Nivaquine" OR "Chloroquine Sulfate" OR "Chloroquine Sulphate" OR "Aralen" OR "Arequin" OR "Arechine" OR "Chloroquine diphosphate" OR "Chloroquine phosphate" OR "Hydroxychloroquine" OR "Oxychlorochin" OR "Oxychloroquine" OR "Hydroxychlorochin" OR "Plaquenil" OR "Hydroxychloroquine Sulfate" OR "plaquinol" OR "papilup" OR "reuquinol") AND ("Ototoxicidade" OR "Ototoxicidades" OR "Ototoxicidade induzida por droga" OR "Ototoxicidade induzida por drogas" OR "Toxicidade otológica relacionada a droga" OR "Toxicidade otológica relacionada a drogas" OR "Cocleotoxicidade induzida por droga" OR "Cocleotoxicidade induzida por drogas" OR "Toxicidade coclear induzida por droga" OR "Toxicidade coclear induzida por drogas" OR "Toxicidades cocleares induzidas por droga" OR "Toxicidade coclear relacionada a droga" OR "Toxicidade coclear relacionada a droga" OR "Toxicidades cocleares relacionadas a drogas" OR "Cocleotoxicidade relacionada a drogas" OR "Vestibulotoxicidade induzida por drogas" OR "Vestibulotoxicidade induzida por drogas" OR "Toxicidade vestibular induzida por droga" OR "Toxicidade vestibular induzida por drogas" OR "audição" OR "Perda auditiva" OR "Hipoacusia" OR "Deficiência auditiva" OR "Surdez transitória" OR "Perda auditiva transitória" OR "Perdas auditivas transitórias" OR "Ototoxicidad" OR "Ototoxicidad" OR "Otoxicidad |

| | |
|----------------------|---|
| | <p>inducida por medicamento" OR "Otoxicidad inducida por medicamentos" OR "Toxicidad otológica relacionada con medicamento" OR "Toxicidad otológica relacionada con medicamentos" OR "Cocleotoxicidad inducida por medicamento" OR "Cocleotoxicidad inducida por medicamento" OR "Toxicidad coclear inducida por medicamentos" OR "Toxicidad coclear inducida por medicamento" OR "Toxicidades cocleares inducidas por medicamentos" OR "Toxicidad coclear relacionada con medicamento" OR "Toxicidad coclear relacionada con medicamento" OR "Toxicidades cocleares relacionadas con medicamentos" OR "Cocleotoxicidad relacionada con medicamento" OR "Vestibulotoxicidad inducida por medicamento" OR "Vestibulotoxicidad inducida por medicamentos" OR "Toxicidad vestibular inducida por medicamento" OR "Toxicidad vestibular inducida por medicamentos" OR "audición" OR "Pérdida auditiva" OR "Hipoacusia" OR "Deficiencia auditiva" OR "Pérdida auditiva transitoria" OR "ototoxicity" OR "Ototoxicities" OR "Drug-Induced Ototoxicity" OR "Drug Induced Ototoxicity" OR "Drug-Related Otological Toxicity" OR "Drug Related Otological Toxicity" OR "Drug-Related Otological Toxicities" OR "Drug-Induced Otological Toxicity" OR "Drug Induced Otological Toxicity" OR "Drug-Induced Otological Toxicities" OR "Drug-Related Ototoxicity" OR "Drug Related Ototoxicity" OR "Drug-Related Ototoxicities" OR "Drug-Induced Cochleotoxicity" OR "Drug Induced Cochleotoxicity" OR "Drug-Induced Cochlear Toxicity" OR "Drug Induced Cochlear Toxicity" OR "Drug-Induced Cochlear Toxicities" OR "Drug-Related Cochlear Toxicity" OR "Drug Related Cochlear Toxicity" OR "Drug-Related Cochlear Toxicities" OR "Drug-Related Cochleotoxicity" OR "Drug Related Cochleotoxicity" OR "Drug-Induced Vestibulotoxicity" OR "Drug Induced Vestibulotoxicity" OR "Drug-Induced Vestibular Toxicity" OR "Drug Induced Vestibular Toxicity" OR "hearing" OR "Audition" OR "Hearing Loss" OR "Hypoacusis" OR "Hypoacuses" OR "Hearing Impairment" OR "Transitory Deafness" OR "Transitory Deafnesses" OR "Transitory Hearing Loss" OR "Transitory Hearing Losses"))</p> |
| <p>PUBMED</p> | <ol style="list-style-type: none"> 1. ("Chloroquine"[MesH Terms] OR "Chloroquine"[All Fields] OR "Chlorochin"[All Fields] OR "Chingamin"[All Fields] OR "Khingamin"[All Fields] OR "Nivaquine"[All Fields] OR "Chloroquine Sulfate"[All Fields] OR "Chloroquine Sulphate"[All Fields] OR "Aralen"[All Fields] OR "Arequin"[All Fields] OR "Arechine"[All Fields] OR "Chloroquine diphosphate"[All Fields] OR "Chloroquine phosphate"[All Fields] OR "Hydroxychloroquine"[MesH Terms] OR "Hydroxychloroquine"[All Fields] OR "Oxychlorochin"[All Fields] OR "Oxychloroquine"[All Fields] OR "Hydroxychlorochin"[All Fields] OR "Plaquenil"[All Fields] OR "plaquinol"[All Fields] OR "papilup"[All Fields] OR "reuquinol"[All Fields] OR "Hydroxychloroquine Sulfate"[All Fields]) 2. ("ototoxicity"[MesH Terms] OR "ototoxicity"[All Fields] OR "Ototoxicities"[All Fields] OR "Drug-Induced Ototoxicity"[All Fields] OR "Drug Induced Ototoxicity"[All Fields] OR "Drug-Related Otological Toxicity"[All Fields] OR "Drug Related Otological Toxicity"[All Fields] OR "Drug-Related Otological Toxicities"[All Fields] OR "Drug-Induced Otological Toxicity"[All Fields] OR "Drug Induced Otological Toxicity"[All Fields] OR "Drug-Induced Otological Toxicities"[All Fields] OR "Drug-Related Ototoxicity"[All Fields] OR "Drug Related Ototoxicity"[All Fields] OR "Drug-Related Ototoxicities"[All Fields] OR "Drug-Induced Cochleotoxicity"[All Fields] OR "Drug Induced Cochleotoxicity"[All Fields] OR "Drug-Induced Cochlear Toxicity"[All Fields] OR "Drug Induced Cochlear Toxicity"[All Fields] OR "Drug Induced Cochlear Toxicities"[All Fields] OR "Drug-Related Cochlear Toxicity"[All Fields] OR "Drug Related Cochlear Toxicity"[All Fields] OR "Drug-Related Cochlear Toxicities"[All Fields] OR "Drug-Related Cochleotoxicity"[All Fields] OR "Drug Related Cochleotoxicity"[All Fields] OR "Drug-Induced Vestibulotoxicity"[All Fields] OR "Drug Induced Vestibulotoxicity"[All Fields] OR "Drug-Induced Vestibular Toxicity"[All Fields] OR "Drug Induced Vestibular Toxicity"[All Fields] OR "hearing"[All Fields] OR "Audition"[All Fields] OR "Hearing Loss"[All Fields] OR "Hypoacusis"[All Fields] OR "Hypoacuses"[All Fields] OR "Hearing Impairment"[All Fields] OR "Transitory Deafness"[All Fields] OR "Transitory Deafnesses"[All Fields] OR "Transitory Hearing Loss"[All Fields] OR "Transitory Hearing Losses"[All Fields]) |

| | |
|------------------------------|---|
| | <p>Cochlear Toxicity"[All Fields] OR "Drug-Induced Cochlear Toxicities"[All Fields] OR "Drug-Related Cochlear Toxicity"[All Fields] OR "Drug Related Cochlear Toxicity"[All Fields] OR "Drug-Related Cochlear Toxicities"[All Fields] OR "Drug-Related Cochleotoxicity"[All Fields] OR "Drug Related Cochleotoxicity"[All Fields] OR "Drug-Induced Vestibulotoxicity"[All Fields] OR "Drug Induced Vestibulotoxicity"[All Fields] OR "Drug-Induced Vestibular Toxicity"[All Fields] OR "Drug Induced Vestibular Toxicity"[All Fields] OR "hearing"[MesH Terms] OR "hearing"[All Fields] OR "Audition"[All Fields] OR "Hearing Loss"[MesH Terms] OR "Hearing Loss"[All Fields] OR "Hypoacusis"[All Fields] OR "Hypoacuses"[All Fields] OR "Hearing Impairment"[All Fields] OR "Transitory Deafness"[All Fields] OR "Transitory Deafnesses"[All Fields] OR "Transitory Hearing Loss"[All Fields] OR "Transitory Hearing Losses"[All Fields])</p> <p>3. #1 AND #2</p> |
| <p>SCOPUS</p> | <p>("Chloroquine" OR "Chlorochin" OR "Chingamin" OR "Khingamin" OR "Nivaquine" OR "Chloroquine Sulfate" OR "Chloroquine Sulphate" OR "Aralen" OR "Arequin" OR "Arechine" OR "Chloroquine diphosphate" OR "Chloroquine phosphate" OR "Hydroxychloroquine" OR "Oxychlorochin" OR "Oxychloroquine" OR "Hydroxychlorochin" OR "Plaquenil" OR "Hydroxychloroquine Sulfate" OR "plaquinol" OR "papilup" OR "reuquinol") AND ("ototoxicity" OR "Ototoxicities" OR "Drug-Induced Ototoxicity" OR "Drug Induced Ototoxicity" OR "Drug-Related Otological Toxicity" OR "Drug Related Otological Toxicity" OR "Drug-Related Otological Toxicities" OR "Drug-Induced Otological Toxicity" OR "Drug Induced Otological Toxicity" OR "Drug-Induced Otological Toxicities" OR "Drug-Related Ototoxicity" OR "Drug Related Ototoxicity" OR "Drug-Related Ototoxicities" OR "Drug-Induced Cochleotoxicity" OR "Drug Induced Cochleotoxicity" OR "Drug-Induced Cochlear Toxicity" OR "Drug Induced Cochlear Toxicity" OR "Drug-Induced Cochlear Toxicities" OR "Drug-Related Cochlear Toxicity" OR "Drug Related Cochlear Toxicity" OR "Drug-Related Cochlear Toxicities" OR "Drug-Related Cochleotoxicity" OR "Drug Related Cochleotoxicity" OR "Drug-Induced Vestibulotoxicity" OR "Drug Induced Vestibulotoxicity" OR "Drug-Induced Vestibular Toxicity" OR "Drug Induced Vestibular Toxicity" OR "hearing" OR "Audition" OR "Hearing Loss" OR "Hypoacusis" OR "Hypoacuses" OR "Hearing Impairment" OR "Transitory Deafness" OR "Transitory Deafnesses" OR "Transitory Hearing Loss" OR "Transitory Hearing Losses")</p> |
| <p>WEB OF SCIENCE</p> | <ol style="list-style-type: none"> 1. TS=("Chloroquine" OR "Chlorochin" OR "Chingamin" OR "Khingamin" OR "Nivaquine" OR "Chloroquine Sulfate" OR "Chloroquine Sulphate" OR "Aralen" OR "Arequin" OR "Arechine" OR "Chloroquine diphosphate" OR "Chloroquine phosphate" OR "Hydroxychloroquine" OR "Oxychlorochin" OR "Oxychloroquine" OR "Hydroxychlorochin" OR "Plaquenil" OR "Hydroxychloroquine Sulfate" OR "plaquinol" OR "papilup" OR "reuquinol") 2. TS=("ototoxicity" OR "Ototoxicities" OR "Drug-Induced Ototoxicity" OR "Drug Induced Ototoxicity" OR "Drug-Related Otological Toxicity" OR "Drug Related Otological Toxicity" OR "Drug-Related Otological Toxicities" OR "Drug-Induced Otological Toxicity" OR "Drug Induced Otological Toxicity" OR "Drug-Induced Otological Toxicities" OR "Drug-Related Ototoxicity" OR "Drug Related Ototoxicity" OR "Drug-Related Ototoxicities" OR "Drug-Induced Cochleotoxicity" OR "Drug Induced Cochleotoxicity" OR "Drug-Induced Cochlear Toxicity" OR "Drug Induced Cochlear Toxicity" OR "Drug-Induced Cochlear Toxicities" OR "Drug-Related Cochlear Toxicity" OR "Drug Related Cochlear Toxicity" OR "Drug-Related Cochlear Toxicities" OR "Drug-Related Cochleotoxicity" OR "Drug Related Cochleotoxicity" OR "Drug-Induced Vestibulotoxicity" OR "Drug Induced Vestibulotoxicity" OR "Drug-Induced Vestibular Toxicity" OR "Drug Induced Vestibular Toxicity" OR "hearing" OR "Audition" OR "Hearing Loss" OR "Hypoacusis" OR "Hypoacuses" OR "Hearing Impairment" OR "Transitory Deafness" OR "Transitory Deafnesses" OR "Transitory Hearing Loss" OR "Transitory Hearing Losses") |

| | |
|-----------------------|---|
| | <p>Related Ototoxicity” OR “Drug Related Ototoxicity” OR “Drug-Related Ototoxicities” OR “Drug-Induced Cochleotoxicity” OR “Drug Induced Cochleotoxicity” OR “Drug-Induced Cochlear Toxicity” OR “Drug Induced Cochlear Toxicity” OR “Drug-Induced Cochlear Toxicities” OR “Drug-Related Cochlear Toxicity” OR “Drug Related Cochlear Toxicity” OR “Drug-Related Cochlear Toxicities” OR “Drug-Related Cochleotoxicity” OR “Drug Related Cochleotoxicity” OR “Drug-Induced Vestibulotoxicity” OR “Drug Induced Vestibulotoxicity” OR “Drug-Induced Vestibular Toxicity” OR “Drug Induced Vestibular Toxicity” OR “hearing” OR “Audition” OR “Hearing Loss” OR “Hypoacusis” OR “Hypoacuses” OR “Hearing Impairment” OR “Transitory Deafness” OR “Transitory Deafnesses” OR “Transitory Hearing Loss” OR “Transitory Hearing Losses”)</p> <p>3. #1 AND #2</p> |
| ASHA | <p>(“Chloroquine” OR “Chlorochin” OR “Chingamin” OR “Khingamin” OR “Nivaquine” OR “Chloroquine Sulfate” OR “Chloroquine Sulphate” OR “Aralen” OR “Arequin” OR “Arechine” OR “Chloroquine diphosphate” OR “Chloroquine phosphate” OR “Hydroxychloroquine” OR “Oxychlorochin” OR “Oxychloroquine” OR “Hydroxychlorochin” OR “Plaquenil” OR “Hydroxychloroquine Sulfate” OR “plaquinol” OR “papilup” OR “reuquinol”) AND (“ototoxicity” OR “Ototoxicities” OR “Drug-Induced Ototoxicity” OR “Drug Induced Ototoxicity” OR “Drug-Related Otological Toxicity” OR “Drug Related Otological Toxicity” OR “Drug-Related Otological Toxicities” OR “Drug-Induced Otological Toxicity” OR “Drug Induced Otological Toxicity” OR “Drug-Induced Otological Toxicities” OR “Drug-Related Ototoxicity” OR “Drug Related Ototoxicity” OR “Drug-Related Ototoxicities” OR “Drug-Induced Cochleotoxicity” OR “Drug Induced Cochleotoxicity” OR “Drug-Induced Cochlear Toxicity” OR “Drug Induced Cochlear Toxicity” OR “Drug-Induced Cochlear Toxicities” OR “Drug-Related Cochlear Toxicity” OR “Drug Related Cochlear Toxicity” OR “Drug-Related Cochlear Toxicities” OR “Drug-Related Cochleotoxicity” OR “Drug Related Cochleotoxicity” OR “Drug-Induced Vestibulotoxicity” OR “Drug Induced Vestibulotoxicity” OR “Drug-Induced Vestibular Toxicity” OR “Drug Induced Vestibular Toxicity” OR “hearing” OR “Audition” OR “Hearing Loss” OR “Hypoacusis” OR “Hypoacuses” OR “Hearing Impairment” OR “Transitory Deafness” OR “Transitory Deafnesses” OR “Transitory Hearing Loss” OR “Transitory Hearing Losses”)</p> |
| GOOGLE SCHOLAR | <p>(“Chloroquine” OR “Hydroxychloroquine”) AND “ototoxicity”</p> |
| OPENGREY | <p>(“Chloroquine” OR “Hydroxychloroquine”)</p> |
| PROQUEST | <p>(“Chloroquine” OR “Chlorochin” OR “Chingamin” OR “Khingamin” OR “Nivaquine” OR “Chloroquine Sulfate” OR “Chloroquine Sulphate” OR “Aralen” OR “Arequin” OR “Arechine” OR “Chloroquine diphosphate” OR “Chloroquine phosphate” OR “Hydroxychloroquine” OR “Oxychlorochin” OR “Oxychloroquine” OR “Hydroxychlorochin” OR “Plaquenil” OR “Hydroxychloroquine Sulfate”) AND (“ototoxicity” OR “Ototoxicities” OR “Drug-Induced Ototoxicity” OR “Drug Induced Ototoxicity” OR “Drug-Related Otological Toxicity” OR “Drug Related Otological Toxicity” OR “Drug-Related Otological Toxicities” OR “Drug-Induced Otological Toxicity” OR “Drug Induced Otological Toxicity” OR “Drug-Induced Otological Toxicities” OR “Drug-Related Ototoxicity” OR “Drug Related Ototoxicity” OR “Drug-Related Ototoxicities” OR “Drug-Induced Cochleotoxicity” OR “Drug Induced</p> |

| | |
|--|--|
| | Cochleotoxicity" OR "Drug-Induced Cochlear Toxicity" OR "Drug Induced Cochlear Toxicity" OR "Drug-Induced Cochlear Toxicities" OR "Drug-Related Cochlear Toxicity" OR "Drug Related Cochlear Toxicity" OR "Drug-Related Cochlear Toxicities" OR "Drug-Related Cochleotoxicity" OR "Drug Related Cochleotoxicity" OR "Drug-Induced Vestibulotoxicity" OR "Drug Induced Vestibulotoxicity" OR "Drug-Induced Vestibular Toxicity" OR "Drug Induced Vestibular Toxicity" OR "hearing" OR "Audition" OR "Hearing Loss" OR "Hypoacusis" OR "Hypoacuses" OR "Hearing Impairment" OR "Transitory Deafness" OR "Transitory Deafnesses" OR "Transitory Hearing Loss" OR "Transitory Hearing Losses") |
|--|--|